

INCH-POUND

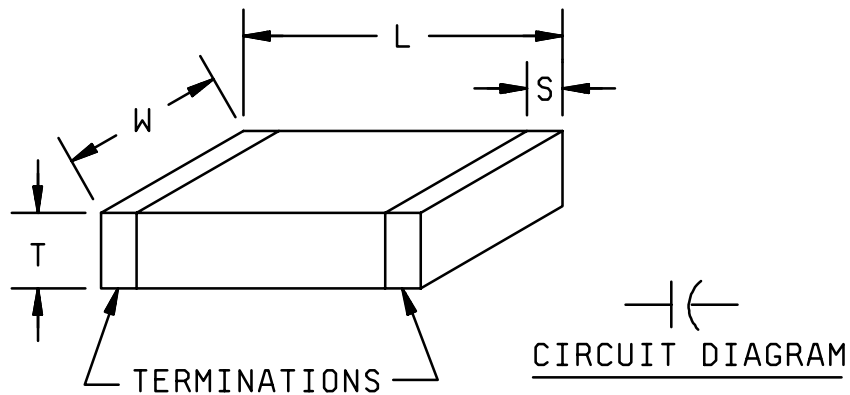
MIL-PRF-123/12C
18 June 2001
SUPERSEDING
MIL-PRF-123/12B(NA)
28 September 1994

PERFORMANCE SPECIFICATION SHEET

CAPACITORS, FIXED, CERAMIC DIELECTRIC,
(TEMPERATURE STABLE AND GENERAL PURPOSE),
HIGH RELIABILITY, NONLEADED, STYLE CKS53

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification and MIL-PRF-123.



L ±.015	W ±.015	T		S ±.010
		Min	Max	
.180	.080	.020	.065	.020

Inches	mm
.010	0.25
.015	0.38
.020	0.51
.065	1.65
.080	2.03
.180	4.57

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Dimensions and tolerances are for bare chips. For solder coated terminations, add .025 inch (0.64 mm) to the positive length tolerance and .015 inch to the positive width and thickness tolerances.

FIGURE 1. Style CKS53 capacitors.

MIL-PRF-123/12C

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Case type: Multilayer, unencapsulated, monolithic ceramic.

Termination: In accordance with MIL-PRF-123.

Capacitance value: See table I.

Capacitance tolerance: See table I.

Operating temperature: -55°C to +125°C.

Rated voltage: 50 V dc.

Marking: In accordance with MIL-PRF-123.

TABLE I. Style CKS53 characteristics.

Part or Identifying Number (PIN) ^{1/}	Capacitance (pF)	Capacitance tolerance	Voltage-temperature limits	Rated voltage (V dc)
M123A12BPB301--	300	F, J, K	BP	50
M123A12BPB331--	330	F, J, K	BP	50
M123A12BPB361--	360	F, J, K	BP	50
M123A12BPB391--	390	F, J, K	BP	50
M123A12BPB431--	430	F, J, K	BP	50
M123A12BPB471--	470	F, J, K	BP	50
M123A12BPB511--	510	F, J, K	BP	50
M123A12BPB561--	560	F, J, K	BP	50
M123A12BPB621--	620	F, J, K	BP	50
M123A12BPB681--	680	F, J, K	BP	50
M123A12BPB751--	750	F, J, K	BP	50
M123A12BPB821--	820	F, J, K	BP	50
M123A12BPB911--	910	F, J, K	BP	50
M123A12BPB102--	1,000	F, J, K	BP	50
M123A12BXB562K-	5,600	K	BX	50
M123A12BXB682K-	6,800	K	BX	50
M123A12BXB822K-	8,200	K	BX	50
M123A12BXB103K-	10,000	K	BX	50
M123A12BXB123K-	12,000	K	BX	50
M123A12BXB153K-	15,000	K	BX	50
M123A12BXB183K-	18,000	K	BX	50
M123A12BXB223K-	22,000	K	BX	50
M123A12BXB273K-	27,000	K	BX	50
M123A12BXB333K-	33,000	K	BX	50
M123A12BXB473K-	47,000	K	BX	50
M123A12BXB563K-	56,000	K	BX	50
M123A12BXB683K-	68,000	K	BX	50
M123A12BXB823K-	82,000	K	BX	50
M123A12BXB104K-	100,000	K	BX	50

^{1/} The complete PIN will include additional letter(s) to indicate capacitance tolerance and termination, as applicable.

MIL-PRF-123/12C

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
Navy - EC
Air Force - 19
DLA - CC
NASA - NA

Preparing activity:
DLA - CC
(Project 5910-2130-05)